

10821743\_CLSTITLES

Titles of most frequently occurring classifications of patents returned  
from a search of 10821743 on Jan 10 , 2008

- 34 181/199 (6 OR, 28 XR)
  - Class 181 ACOUSTICS
  - 181/175 .SOUND-MODIFYING MEANS
  - 181/198 ..Housing or enclosure (e.g., sound confining and absorbing)
  - 181/199 ...Speaker type
- 22 181/156 (7 OR, 15 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/156 ..Reflex baffle
- 14 381/349 (1 OR, 13 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/349 ....Bass reflex (e.g., rear wave)
- 14 181/155 (4 OR, 10 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/155 ..Reflector baffle
- 12 181/152 (7 OR, 5 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/152 ..With horn
- 8 181/144 (4 OR, 4 XR)
  - Class 181 ACOUSTICS
  - 181/144 .PLURAL DIAPHRAGM SOUND SOURCES
- 7 181/153 (2 OR, 5 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/153 ..Rounded enclosure (e.g., curved, etc.)
- 7 381/345 (3 OR, 4 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure

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- 7 381/386 (1 OR, 6 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/386 ..Mounting or support feature of housed loudspeaker
- 5 381/86 (4 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/86 .VEHICLE
- 5 181/151 (1 OR, 4 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/151 ..With sound-absorbing means
- 5 181/145 (1 OR, 4 XR)
  - Class 181 ACOUSTICS
  - 181/144 .PLURAL DIAPHRAGM SOUND SOURCES
  - 181/145 ..Plural chambers
- 5 181/147 (3 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/144 .PLURAL DIAPHRAGM SOUND SOURCES
  - 181/147 ..Three diaphragms
- 5 381/182 (1 OR, 4 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/182 ..Plural or compound reproducers
- 5 381/335 (2 OR, 3 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/87 .HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
  - 381/332 ..And loudspeaker
  - 381/335 ...Plural diaphragms, compartments, or housings
- 4 181/150 (0 OR, 4 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  - 181/150 ..Recessed (e.g., wall-mounted, etc.)
- 4 181/159 (0 OR, 4 XR)
  - Class 181 ACOUSTICS
  - 181/157 .DIAPHRAGM
  - 181/159 ..With horn

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- 4 381/98 (3 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/98 .INCLUDING FREQUENCY CONTROL
  
- 4 381/398 (3 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/396 ..Electromagnetic (e.g., dyynamic)
  - 381/398 ...Having diaphragm support feature
  
- 3 381/333 (1 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/87 .HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
  - 381/332 ..And loudspeaker
  - 381/333 ...With furniture, clothing, or image presentation means
  
- 3 381/99 (2 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/98 .INCLUDING FREQUENCY CONTROL
  - 381/99 ..Having crossover filter
  
- 3 381/354 (0 OR, 3 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/354 ...Absorbing or attenuating element
  
- 3 381/350 (1 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/350 ....Front wave
  
- 3 381/341 (1 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/339 ...Sound intensifying or spreading element
  - 381/340 ....Horn
  - 381/341 .....Inverted, folded, or curled
  
- 3 381/96 (3 OR, 0 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/96 .LOUDSPEAKER FEEDBACK

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- 3 181/146 (1 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/144 .PLURAL DIAPHRAGM SOUND SOURCES
  - 181/146 ..With sound-asborbing means
  
- 3 381/395 (2 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/386 ..Mounting or support feature of housed loudspeaker
  - 381/395 ...Mechanical detail
  
- 3 181/148 (1 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE
  
- 2 381/389 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/386 ..Mounting or support feature of housed loudspeaker
  - 381/389 ...In vehicle
  
- 2 381/97 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/97 .INCLUDING PHASE CONTROL
  
- 2 381/89 (2 OR, 0 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/87 .HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
  - 381/89 ..Loudspeakers driven in given phase relationship
  
- 2 181/182 (0 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/175 .SOUND-MODIFYING MEANS
  - 181/177 ..Intensifying horn
  - 181/182 ...With resonant chamber
  
- 2 181/188 (1 OR, 1 XR)
  - Class 181 ACOUSTICS
  - 181/175 .SOUND-MODIFYING MEANS
  - 181/177 ..Intensifying horn
  - 181/187 ...Plural intensifying portions
  - 181/188 ....Similar portions
  
- 2 381/17 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/1 .BINAURAL AND STEREOPHONIC

- 381/17 ..Pseudo stereophonic
- 2 348/E5.13 (0 OR, 2 XR)
  - Class 348 TELEVISION
  - 348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)
  - 348/E5.128 ..Constructional details of receivers, e.g., cabinets, dust covers (EPO)
  - 348/E5.13 ...Disposition of sound reproducers (EPO)
- 2 381/408 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/396 ..Electromagnetic (e.g., dynamic)
  - 381/400 ...Movable voice coil
  - 381/408 ....Pattern
- 2 381/431 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/396 ..Electromagnetic (e.g., dynamic)
  - 381/423 ...Specified diaphragm shape or structure
  - 381/431 ....Flat
- 2 381/93 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/93 .FEEDBACK SUPPRESSION
- 2 381/94.9 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/94.1 .NOISE OR DISTORTION SUPPRESSION
  - 381/94.9 ..Feedforward circuitry for transducer compensation
- 2 181/141 (0 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/141 .COMBINED
- 2 381/338 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/338 ...With tubular waveguide or resonant element
- 2 181/195 (0 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/175 .SOUND-MODIFYING MEANS
  - 181/177 ..Intensifying horn
  - 181/192 ...Particular shape of the horn

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- 181/195 ....Wide angle annular outlet
- 2 381/340 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/339 ...Sound intensifying or spreading element
  - 381/340 ....Horn
- 2 381/100 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/98 .INCLUDING FREQUENCY CONTROL
  - 381/99 ..Having crossover filter
  - 381/100 ...With active device
- 2 381/306 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/1 .BINAURAL AND STEREOPHONIC
  - 381/300 ..Stereo speaker arrangement
  - 381/306 ...With image presentation means
- 2 381/352 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/352 ....Having internal wave reflecting means
- 2 84/291 (1 OR, 1 XR)
  - Class 84 MUSIC
  - 84/1 .INSTRUMENTS
  - 84/173 ..Stringed
  - 84/290 ...Details
  - 84/291 ....Bodies
- 2 381/348 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/346 ....Acoustic resistance
  - 381/348 .....On rear side of diaphragm
- 2 181/154 (0 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/148 .DIAPHRAGM AND ENCLOSURE

- 181/154 ..Inclined diaphragm
- 2 181/172 (1 OR, 1 XR)
  - Class 181 ACOUSTICS
  - 181/157 .DIAPHRAGM
  - 181/171 ..Mounting or suspension means
  - 181/172 ...Elastic suspension means
- 2 381/346 (1 OR, 1 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/346 ....Acoustic resistance
- 2 181/160 (0 OR, 2 XR)
  - Class 181 ACOUSTICS
  - 181/157 .DIAPHRAGM
  - 181/160 ..With resonant chamber
- 2 29/594 (0 OR, 2 XR)
  - Class 29 METAL WORKING
  - 29/592 .METHOD OF MECHANICAL MANUFACTURE
  - 29/592.1 ..Electrical device making
  - 29/594 ...Acoustic transducer
- 2 381/150 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
- 2 381/351 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/150 .ELECTRO-ACOUSTIC AUDIO TRANSDUCER
  - 381/337 ..Having acoustic wave modifying structure
  - 381/345 ...Acoustic enclosure
  - 381/351 ....Plural chambers
- 2 381/58 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/58 .MONITORING/MEASURING OF AUDIO DEVICES
- 2 381/61 (0 OR, 2 XR)
  - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/61 .SOUND EFFECTS
- 2 381/334 (0 OR, 2 XR)

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Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES  
381/87 .HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)  
381/332 ..And loudspeaker  
381/334 ...Portable or for use in diverse environment

2 181/191 (0 OR, 2 XR)

Class 181 ACOUSTICS  
181/175 .SOUND-MODIFYING MEANS  
181/177 ..Intensifying horn  
181/191 ...With external sound deflector

2 181/197 (0 OR, 2 XR)

Class 181 ACOUSTICS  
181/175 .SOUND-MODIFYING MEANS  
181/196 ..Within tubular means  
181/197 ...Adjustable